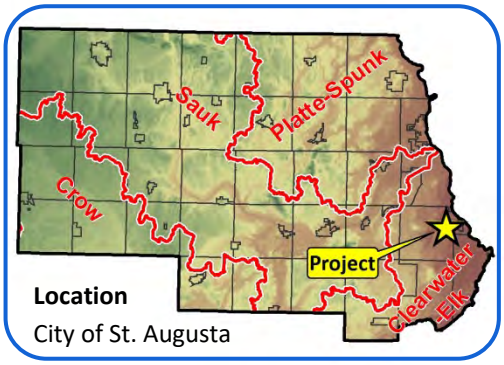
City of St. Augusta – Kiffmeyer Park

Streambank Stabilization

Project Description: St. Augusta Creek, which runs through Kiffmeyer Park, had severely eroded banks from high flows. There was minimal protection in some areas because of excessive vegetation removal. In order to stabilize the banks, a combination of field stone rock riprap, cedar tree revetments and root wads were used along with native vegetation. Bio-engineering techniques were used to work with the stream channel in reducing the erosion and providing additional fish and wildlife habitat. In total, three major sections of the stream in Kiffmeyer Park were worked on and incorporated into the existing natural corridor.

Pollution Reduction Estimates:

Phosphorus	21.74 Lbs./Yr.
Sediment	25.58 Tons/Yr.



Location
City of St. Augusta

Practice :
Streambank Stabilization

Target Waters :
St. Augusta Creek

Year Constructed :
2005

Components :
- Root Wads
- Cedar Tree Revetments
- Coconut Erosion Control Blanket
- Field Stone Rock Riprap
- Native Grass and Wildflower Seeding
- Tree and Shrub Planting

Benefits :
- Sediment Reduction
- Nutrient Removal
- In stream and upland habitat
- Preserve Trail

Partners :
- BWSR
- West Central TSA
- DNR Fisheries

Watershed :
Upper Mississippi River Watershed

Stearns County Soil and Water Conservation District
110 2nd Street South, Waite Park, MN 56387
Ph: 320-251-7800 x3
www.stearnscountyswcd.net

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Cedar Tree Revetment Installation

Root Wad Placement

Project After Completion

"This project demonstrated the true value of bio-engineering and how it can work. The Cedar Tree Revetments captured an amazing amount of sediment"

– Greg Berg, SWCD Shoreland Specialist

Root Wad Installation

Project After Completion

Funding:

State Funds*	$	12,302
Landowner Investment	$	4,708

* **Administered by Stearns SWCD**
BWSR State Cost Share Funds
MPCA 319 Funds

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